Application No. 10/560,172

Declaration under 37 C.F.R. 1.132

Docket No.:

283020US0PCT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF:

GROUP: 1781

Yoji KAMEO, et al.

SERIAL NO: 10/560,172

EXAMINER: PADEN, CAROLYN A.

FILED:

November 30, 2006

FOR:

FAT COMPOSITION FOR BAKERY PRODUCT AND BAKERY PRODUCT

DECLARATION UNDER 37 C.F.R. § 1.132

COMMISSIONER FOR PATENTS ALEXANDRIA, VIRGINIA 22313

Sir:

Now comes Yoshihide Asabu who deposes and states that:

- 1. I am a graduate of Osaka Prefecture University and received my master degree in the year 1993.
- 2. I have been employed by Kao Corporation for 17 years as a researcher in the field of food and beverages.
- 3. The following experiments were carried out by me or under my direct supervision and control.

Additional Products 1-8 and Product A

Additional products I through 8, as well as a product of the invention A ("product A") were produced from the components listed in the enclosed table using the amounts designated in the table. The method for producing these additional products was as follows:

1) The components (A) and (B) were weighed in a stainless steel beaker having a volume of 2 liters.

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- 2) The above-mentioned 1) was uniformly dissolved in a water bath at 85°C and left for 30 minutes. In this step, agitation was carried out using an anchor hook and a three-one motor (TYPE60G manufactured by HIDON Co., Ltd.).
- 3) The previously weighed component (C) was added while stirring to the above-mentioned 2), and after it was confirmed that the mixture became uniform, the mixture was left for 30 minutes.
- 4) In the above-mentioned 3), a large amount of ice was placed in the water bath to cool the mixture to 30°C, and the mixture was kept at a temperature of 30°C and simultaneously stirred, and then transferred to a predetermined container.
- 5) The above-mentioned 4) was left overnight (for about 12 hours) in a thermostatic bath at 15°C, and then measured for the degree of penetration and evaluated for bread manufacturing.

The "degree of penetration" results for the "fat and oil compositions" resulting from additional products 1-8 and product A can be seen in the last row of the top portion of the enclosed table.

The fat and oil compositions of additional products 1-8 and product A were then used for bread dough preparation and ultimately turned into bread according to the following procedures.

1. Conditions for preparing dough in an intermediate stage

Using a vertical mixer (Kanto mixer, 10 coats) and a hook, the materials in the intermediate stage were introduced into the mixer and kneaded at low speed for 3 minutes and then for 2 minutes at moderate to high speed, and then formed into intermediate dough at a kneading temperature of 25°C. Then, the dough was fermented (intermediate fermentation). The conditions for this fermentation were as follows:

Intermediate fermentation temperature: 26.5°C

Intermediate fermentation relative humidity: 80%

Intermediate fermentation time: 2.5 hours

Intermediate fermentation finish temperature: 29.0°C

2. Conditions for preparing dough in a kneading stage

The intermediate dough was introduced into a vertical mixer (Kanto mixer, 10 coats),

and the materials in the kneading stage (materials other than margarine, the fat and oil

composition, and xanthane gum) were added and kneaded at low speed for 3 minutes and then

at moderate to high speed for 3 minutes, and the remainder materials (margarine, the fat and oil

composition, and xanthane gum) were added, kneaded at low speed for 3 minutes, at moderate

to high speed for 3 minutes and at high speed for 7 minutes, to make kneaded dough. The

kneading temperature of the kneaded dough was 29°C.

For recovery of the dough from damage upon kneading, a floor time of 20 minutes was

taken at 27.0°C, and thereafter the dough was divided into portions each weighing 60 g. For

eliminating dough damage upon division, a bench time of 20 minutes was taken at 27.0°C, and

the dough was molded in a molder. The dough was placed on a heating plate and then

fermented. The fermentation conditions are as follows:

Fermentation temperature: 38°C

Relative humidity: 80%

Fermentation time: 45 minutes

3. Conditions for producing bread

The fermented dough prepared under the conditions described above was baked for 13

minutes in an oven at 170°C. After baking, the sample was cooled to room temperature (20°C)

for 45 minutes, then placed in a vinyl bag, sealed, stored at 20°C for 3 days and evaluated as a

bread sample.

The "results of evaluation of bread manufacturing" for the breads resulting from the fat

and oil compositions of additional products 1-8 and product A can be seen in the last three

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rows of the bottom portion of the enclosed table. The breads were evaluated for softness, moist feel, and melting feel in the mouth by a panel of 10 examiners. The evaluation designations are as follows.

- **O**: Judged to be excellent by at least 8 of 10 examiners.
- O: Judged to be excellent by 5 to 7 of 10 examiners.
- Δ : Judged to be excellent by 3 to 4 of 10 examiners.
- x: Judged to be not excellent by at least 8 of 10 examiners.

Results of evaluation of bread manufacturing > Classifts of evaluation of bread manufacturing > Softness Maior feel	< Results of evaluation of Soft	Results of evaluation of	-ROM		Water	Con	Fat	Show	Who	Com	Stim	Sugar	Yeas	Yeast	The state of the s	West	Dep	9,	# (B)	5 3	the n	(C) the Xanti	(B) the Soyb	(B) to (B-1) (MS)	(8) the Polys	(B) Avention (PG)	ı, stos	the mone		(a)		component
Money fee		De S	bread manufacturing>	Roll-in fat and bii	x	Compounded amount	Fat and oil composition	Shortening	Whole egg	Common sak	Skin milk		Yeast food	A	Wheat flour (west: flour)	Weat flour (bread flour)	Degree of penetration	evaluation of fet and oil composition>		ratio of polyglycarine fatty monoester / Propylene glycol monobehenic acid ester	ratio of glycerine fatty acid monoaster / propylane glycol monobehenic acid ester	Xanthane Gum (Bistop D-3000, manufactured by San-Ei Gen F.F.L. Inc.)	Saybean lecithin (Nisshin lecithin Dx. manufactured by Nissin Oillio Croup, Ltd.)	Polygycerine fetty acid moroester (MS-5S heaegycerine monostealate, manufactured by Sakamoto Yakuhin Kogyo Co., Ltd.)	Polygycorine condenced ricinoleic ester (Sun Soft 818SK, manufactured by Taiyo Kagaku Co., Ltd.)	Propylene glycol monobehanic acid aster (PGMB, manufactured by Kao Corporation)	95. manufactured by Kao Corporation)	Chycerne fatty monoester	Commercial vegetable shortning/melting point 37°C)	ed rane od (methoe point 10°C or less)		
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- 4. The undersigned petitioner declares further that all statements made herein of his own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of this application or any patent issuing thereon.
 - 5. Further deponent saith not.

A SABU YUSH	HIHIDE
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Signature

December 22.2010

Date

Customer Number 22850

Tel (703) 413-3000 Fax (703) 413-2220 (OSMMN 11/10)